Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
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Final

AIR QUALITY PERMIT

Issued under 401 KAR 52:020

Permittee Name:	**Tokico (USA), Inc.**
Mailing Address:	**301 Mayde Road, Berea, KY 40403**
Source Name:	**Tokico (USA), Inc.**
Mailing Address:	**301 Mayde Road** **Berea, KY 40403**
Source Location:	**301 Mayde Road, Berea, Kentucky**
Permit Number:	**V-03-046R3**
Source A. I. #:	**2859**
Activity #:	**APE20070001**
Review Type:	**Title V, Minor Revision**
Source ID #:	**21-151- 00042**
Regional Office:	**Frankfort Regional Office** **643 Teton Trail, Suite B** **Frankfort, KY 40601-1758** **(502) 564-3358**
County:	**Madison**
Application Complete Date:	**July 20, 2007**
Issuance Date:	**December 21, 2004**
Revision Date:	**October 25, 2007**
Expiration Date:	**December 21, 2009**

John S. Lyons, Director
Division for Air Quality

Revised 12/09/02

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Rev #	Permit type	Log or Activity#	Complete Date	Issuance Date	Summary of Action
----	**Initial Issuance**	**50840**	**8/18/1999**	**12/21/04**	
1	**Minor Modification**	**APE20050002**	**10/12/05**	**11/30/05**	**Construction of new Cr plating line**
2	**Minor Modification**	**APE20060003**	**1/23/2007**	**1/25/2007**	**Construction of new Spray Booth**
3	**Minor Modification**	**APE20070001**	**7/20/2007**	**10/25/07**	**Replace an applicator and to construct a manual spray booth**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01 Electrostatic Spray Painting Operations

EP01	Electrostatic Spray Booth #1 (1999)
EP02	Electrostatic Spray Booth #2 (2001)
EP16	Electrostatic Spray Booth #3 (2007)
EP17	Manual Spray Gun

Description: Electrostatic Spray Paint Booths (3) for painting shock absorbers. EP01 and EP16 each have a capacity of 2.5 gal/hr and EP02 has a capacity of 1.3 gal/hr for the existing one and 2.5 gal/hr for the newly added one. Particulate matter emissions are controlled by Dry filters. The coatings used are water based paints mixed with Tokico Thinner 5050 in a 3:1 ratio. Hourly operating rate for Air Spray Gun is 0.05 gal/hr and its applicator capacity is 11.4 gals/hr.

APPLICABLE REGULATIONS:
401 KAR 59:010, New Process Operations
401 KAR 63:002, § 3 Incorporation by reference, 40 CFR 63.3880 to 63.3981 (Subpart MMMM), "National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products." See Section B, Group Requirements for EP 01 for compliance requirements pursuant to this regulation.

1. Operating Limitations:
None

2. Emission Limitations:

a. Visible emissions shall not equal or exceed 20% opacity
[401 KAR 59:010, Section 3(1)b]

Compliance Demonstration Method for PM and Visible Emissions:
These affected facilities are assumed to be in compliance at all times when the equipment is operated in accordance with the manufacturer's specifications and/or standard operating procedures.

b. Particulate emissions shall not equal or exceed 2.34 lbs/hour.
[401 KAR 59:010, Section 3(2)]

Compliance Demonstration Method for PM and Visible Emissions:
These affected facilities are assumed to be in compliance at all times when the equipment is operated in accordance with the manufacturer's specifications and/or standard operating procedures.

c. VOC emissions shall not exceed 90 tons per year to preclude 401 KAR 59:225, New miscellaneous metal parts and products surface coating operations as a major source. Refer to Section D.

3. Testing Requirements:

a. Testing shall be conducted at such times as may be required by the cabinet in accordance with 401 KAR 59:005 Section 2(2) and 401 KAR 59:045 Section 4.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

a. Source-wide VOC emissions shall be monitored monthly. Refer to Section D.

b. A qualitative visual observation of the opacity of emissions shall be performed from the spray booths stacks on a weekly basis and a log of the observations maintained. If visible emissions from the stacks are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.

c. The monthly usage of VOC containing paints, solvents or any VOC/HAP containing material shall be monitored.

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain monthly records of the purchase and usage of the paints, solvents or any VOC/HAP containing material.

b. Records of source-wide monthly and twelve-month rolling total VOC emissions shall be maintained. Refer to Section D.

c. A weekly log of qualitative visual observations of opacity shall be maintained.

d. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.

e. Records of filter replacements, including time and date shall be maintained.

6. Specific Reporting Requirements:

The reporting requirements of Section F.5, are specified here to consist of the following:

a. Source-wide limit on VOC emissions. Refer to Section D.

b. A summary of filter replacements during the period.

7. Specific Control Equipment Operating Conditions:

Exhaust filters shall be in place and operating efficiently during spray booth operation.

8. Alternate Operating Scenarios:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

02 Chrome Plating Operations

EP03	Chrome Plating line (CL1) (1991)
EP04	Chrome Plating line (CL2) (1991)
EP05	Chrome Plating line (CL3) (1992)
EP06	Chrome Plating line (CL4) (1994)
EP15	Chrome Plating line (CL5) (2005)

Description: Each hard chromium plating operation for CL1, CL2, CL3, and CL4 consumes about 1 gallon of chromic acid per hour – number of pieces per hour varies with the size of the part being coated. CL1, CL2, CL3, and CL4 are all manufactured by the Jessup Corporation. Hard chromium plating operation for CL5 consumes approximately 5 gallon of chromic acid per hour – number of pieces per hour varies with the size of the part being coated. CL5 is manufactured by Atotech.

APPLICABLE REGULATIONS:

40 CFR 63 Subpart N- National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks; 401 KAR 59:010, New process operations.

1. Operating Limitations:

a. The permittee shall prepare an operation and maintenance plan to be implemented at issuance of this permit. This plan is incorporated by reference into this permit. [40 CFR 63.342(f)(3)]

b. If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the permittee shall revise the plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events and a program for corrective action for such events.

c. If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan, the permittee shall record the actions taken for that event and shall report by phone such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within seven working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with the Division.

d. The permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Division for the life of the affected source or until the source is no longer subject to the provisions of 40 CFR 63 Subpart N.

e. If the operation and maintenance plan is revised, the permittee shall keep previous versions of the operation and maintenance plan on record to be made available for inspections, upon request, by the Division for a period of 5 years after each revision to

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

the plan.

f. The requirements for the plan may be met using applicable standard operation procedures (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements outlined below.

g. The plan shall include the following elements:

i. Operation and maintenance criteria for the affected source, the add-on air pollution control device, and the process and control system monitoring equipment and shall include a standardized checklist to document the operation and maintenance of this equipment;

ii. Work practice standards for the control device and monitoring equipment as identified in 40 CFR 63.342 Table 1;

iii. Procedures to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and

iv. Systematic procedures for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.

2. Emission Limitations:

a. Chromic Acid emissions shall not exceed 0.015 mg/dscm of ventilation air. [40 CFR 63.342(c)(1)(i)]

Compliance shall be demonstrated by maintaining the pressure drop over the Composite Mesh Pad as established during the initial compliance demonstration.

b. The permittee is assumed to be in compliance with particular matter emission standard and opacity. [401KAR 59:010, Section 3]

3. Testing Requirements:

Testing to determine chromium emissions shall be done in accordance with test methods established in 40 CFR 63.344(c). The permittee should test once per life of Title V permit (5 years).

4. Specific Monitoring Requirements:

Pressure drop across the composite mesh pad shall be monitored once per day that the affected source is operating. [40 CFR 63.343(c)(1)(ii)]

5. Specific Recordkeeping Requirements:

The following records shall be maintained for a period of 5 years:

a. Inspection and maintenance records for the composite mesh pad scrubber, the affected source and all associated monitoring equipment;

b. The occurrence, duration, and cause of each malfunction of the process, mesh-pad scrubber, monitoring equipment, and actions taken;

c. Actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;

d. Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of operation and maintenance plan;

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

e. Test reports, which document the result of all performance tests;
f. All measurements necessary to determine the operating conditions of performance test and monitoring data as required above;
g. Monitoring data required by 40 CFR 63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected;
h. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emission, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control, or monitoring equipment;
i. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emission, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control, or monitoring equipment;
j. The total process operating time of the affected source during the reporting period.

6. Specific Reporting Requirements:

The permittee shall submit semi-annually an ongoing compliance status report. The report shall contain the following information:

a. Company name and address of the affected source;
b. Identification of the operating parameter that is monitored for compliance tracking determination;
c. The relevant emission limitation for the affected source, and the operating parameter value, or range of operating parameter values, that correspond to compliance with this emission limitation;
d. The beginning and ending dates of the reporting period;
e. A description of the type of process performed in the affected source;
f. The total operating time of the affected source during the reporting period;
g. A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes and unknown causes.
h. A certification by a responsible official that the work practice standards in 40 CFR 63.342(f) were followed in accordance with the operation and maintenance plan for the source;
i. If the operation and maintenance plan was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s) required by 40 CFR 63.342(f)(3)(iv) documenting that the operation and maintenance plan was not followed;
j. A description of any changes in monitoring, processes, or controls since the last reporting period;
k. The name, title, and signature of the responsible official who is certifying the accuracy of the report; and

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

l. The date of the report.

7. Specific Control Equipment Operating Conditions:
See Section E

8. Alternate Operating Scenarios:

a. As an alternate method for demonstrating compliance with the emission limitation Tokico may use a wetting agent type or combination wetting agent-type/foam blanket fume suppressant in the electroplating bath.

b. Compliance under the above alternate control scenario shall be demonstrated by maintaining surface tension below 45 dynes/cm as measured by a stalagmometer or below 35 dynes/cm as measured by a tensiometer.

c. Surface tension shall be monitored under the following schedule:

i. The surface tension shall be measured once every 4 hours for the first 40 hours of operation.

ii. Once 40 hours without exceedence has been accomplished at the once every 4 hours schedule, the schedule may be relaxed to measurements once every 8 hours.

iii. Once 40 hours without exceedence has been accomplished at the once every 8 hours schedule, the schedule may be relaxed to measurements once every 40 hours.

iv. When an exceedence occurs, the schedule must be reset to the 4 hour schedule, and may progress again from there after 40 hours without an exceedence.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

03 Boilers

EP07 Boiler – chrome line – 4 mmBTU/hr (1991)
EP08 Boiler – chrome line – 2 mmBTU/hr (1992)
EP09 Boiler – chrome line – 2.5 mmBTU/hr (1994)
EP10 Boiler – ES1 – 2.5 mmBTU/hr (1999)
EP11 Boiler – ES2 – 2.25 mmBTU/hr (2001)
EP12 Boiler – EC1 – 4 mmBTU/hr (1999)
EP13 Boiler – EC2 – 2 mmBTU/hr (1999)
EP14 Boiler – zinc line – 1.5 mmBTU/hr (2002)

Description:
8 Natural gas-fired units
Total Rated capacity: 20.75 mmBTU/hr

APPLICABLE REGULATIONS: 401 KAR 59:015 – New indirect heat exchangers.

1. Operating Requirements:
Only natural gas shall be used as the fuel.

2. Emission Limitations:
Emissions will be considered in compliance with limitations expressed in 401 KAR 59:015 as long as the condition of the Operating Requirement section, above, is met.

3. Specific Monitoring and Testing Requirements:
The permittee shall monitor the amount of natural gas used on a monthly basis.

4. Specific Recordkeeping Requirements:
The permittee shall keep records of the amount of natural gas used on a monthly basis.

5. Specific Reporting Requirements:
See Section F

6. Specific Control Equipment Operating Conditions:
None

7. Compliance Certification Requirements:
None

8. Alternate Operating Scenarios:
None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Group requirements:

For EP 01 (Electrostatic Spray Painting Operations)

Description: This section of the permit is for the implementation of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products.

MACT requirements:

401 KAR 63:002, § 3 Incorporation by reference, 40 CFR 63.3880 to 63.3981 (Subpart MMMM), "National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products", applies to the affected sources within each of the four subcategories listed in § 63.3881 (a).

40 CFR 63.3882: (b) The affected source is the collection of all the items listed in paragraphs (b)(1) through (4) of this section that are used for surface coating of miscellaneous metal parts and products within each subcategory.

(1) All coating operations as defined in § 63.3981;
(2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
(3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and
(4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

GENERAL COMPLIANCE REQUIREMENTS

40 CFR 63.3900: (a) Any coating operation(s) for which the permittee uses the compliant material option or the emission rate without add-on controls option, as specified in § 63.3891 (a) and (b), must be in compliance with the applicable emission limit in § 63.3890 at all times.

NOTIFICATIONS, REPORTS AND RECORDS

40 CFR 63.3910: (c) The permittee must submit the notification of compliance status required by § 63.9 (h) no later than March 29, 2008. The notification of compliance status must contain the information specified in paragraphs (c)(1) through (8) of this section and in § 63.9 (h).

(1) Company name and address.
(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
(3) Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period, beginning on January 2, 2007 and ending on February 29, 2008.
(4) Identification of the compliance option or options specified in § 63.3891 that the permittee used on each coating operation in the affected source during the initial compliance period.
(5) Statement of whether or not the affected source achieved the emission limitations for the initial compliance period.
(6) If the permittee had a deviation, include the information in paragraphs (c)(6)(i) and (ii) of this section.
    (i) A description and statement of the cause of the deviation.
    (ii) If the permittee failed to meet the applicable emission limit in § 63.3890, include all the

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

calculations that the permittee used to determine the kg (lb) of organic HAP emitted per liter (gal) coating solids used. The permittee does not need to submit information provided by the materials' suppliers or manufacturers, or test reports.

(7) For each of the data items listed in paragraphs (c)(7)(i) through (iv) of this section that is required by the compliance option(s) used by the permittee to demonstrate compliance with the emission limit, include an example of how the value was determined by the permittee, including calculations and supporting data. Supporting data may include a copy of the information provided by the supplier or manufacturer of the example coating or material, or a summary of the results of testing conducted according to § 63.3941 (a), (b), or (c). The permittee is not required to submit copies of any test reports.
   (i) Mass fraction of organic HAP for one coating, for one thinner and/or other additive, and for one cleaning material.
   (ii) Volume fraction of coating solids for one coating.
   (iii) Density for one coating, one thinner and/or other additive, and one cleaning material, except that if the permittee used the compliant material option, only the example coating density is required.
   (iv) The amount of waste materials and the mass of organic HAP contained in the waste materials for which the permittee is claiming an allowance in Equation 1 of § 63.3951.

(8) The calculation of kg (lb) of organic HAP emitted per liter (gal) coating solids used for the compliance option the permittee used, as specified in paragraph (c)(8) of this section.
For the emission rate without add-on controls option, provide the calculation of the total mass of organic HAP emissions for each month; the calculation of the total volume of coating solids used each month; and the calculation of the 12-month organic HAP emission rate using Equations 1 and 1A through 1C, 2, and 3, respectively, of § 63.3951.

1. Operating Limitations:

See emission limitations.

2. Emission Limitations:

40 CFR 63.3890 (b)(1) For each existing general use coating affected source, limit organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

Compliance Demonstration Method:

COMPLIANCE REQUIREMENTS FOR THE EMISSION RATE WITHOUT ADD-ON CONTROLS OPTION

40 CFR 63.3950: The permittee must complete the initial compliance demonstration for the initial compliance period according to the requirements of § 63.3951. The initial compliance period begins on January 2, 2007 and ends on February 29, 2008. The permittee must determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. The initial compliance demonstration includes the calculations according to § 63.3951 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit in § 63.3890.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Limitations (continued):

40 CFR 63.3951: The permittee may use the emission rate without add-on controls option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. The permittee must use either the compliant material option or the emission rate with add-on controls option for any coating operation in the affected source for which this option is not used. To demonstrate initial compliance using the emission rate without add-on controls option, the coating operation or group of coating operations must meet the applicable emission limit in § 63.3890, but is not required to meet the operating limits or work practice standards in §§ 63.3892 and 63.3893, respectively. The permittee must meet all the requirements of this section. When calculating the organic HAP emission rate according to this section, do not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which the compliant material option or the emission rate with add-on controls option are used. It is not necessary to redetermine the mass of organic HAP in coatings, thinners and/or other additives, or cleaning materials that have been reclaimed onsite (or reclaimed offsite if the permittee has documentation showing that the materials sent off-site are the exact same materials received back) and reused in the coating operation for which the permittee uses the emission rate without add-on controls option. If the permittee uses coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site, the amount of each used in a month may be reduced by the amount of each that is reclaimed. That is, the amount used may be calculated as the amount consumed to account for materials that are reclaimed.

(a) *Determine the mass fraction of organic HAP for each material*. Determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each month according to the requirements in § 63.3941(a).

(b) *Determine the volume fraction of coating solids*. Determine the volume fraction of coating solids liter (gal) of coating solids per liter (gal) of coating for each coating used during each month according to the requirements in § 63.3941 (b).

(c) *Determine the density of each material*. Determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using ASTM Method D1475-98, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products" (incorporated by reference, see § 63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If the permittee is including powder coatings in the compliance determination, determine the density of powder coatings, using ASTM Method D5965-02, "Standard Test Methods for Specific Gravity of Coating Powders" (incorporated by reference, see § 63.14), or information from the supplier. If there is a disagreement between ASTM Method D1475-98 or ASTM Method D5965-02 test results and other such information sources, the test results will take precedence unless, after consultation the permittee demonstrates to the satisfaction of the Cabinet that the formulation data are correct. If the permittee purchases materials or monitors consumption by weight instead of volume, it is not necessary for the permittee to determine material density. Instead the material weight may be used in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of this section.

(d) *Determine the volume of each material used*. Determine the volume (liters) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Limitations (continued):

or usage records. If the permittee purchases materials or monitors consumption by weight instead of volume, the permittee does not need to determine the volume of each material used. Instead, the material weight may be used in place of the combined terms for density and volume in Equations 1A, 1B and 1C of this section.

(e) *Calculate the mass of organic HAP emissions*. The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1 of this section.

$$H_e = A + B + C - R_w \quad \text{(Eq. 1)}$$

Where:

H_e = Total mass of organic HAP emissions during the month, kg.

A = Total mass of organic HAP in the coatings used during the month, kg, as calculated in Equation 1A of this section.

B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg, as calculated in Equation 1B of this section.

C = Total mass of organic HAP in the cleaning materials used during the month, kg, as calculated in Equation 1C of this section.

R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, kg, determined according to paragraph (e) (4) of this section. (A value of zero may be assigned to R_w if the permittee does not wish to use this allowance.)

(1) Calculate the kg organic HAP in the coatings used during the month using Equation 1A of this section:

$$A = \sum_{i=1}^{m} (Vol_{c,i})(D_{c,i})(W_{c,i}) \quad \text{(Eq. 1A)}$$

Where:

A = Total mass of organic HAP in the coatings used during the month, kg.

$Vol_{c,i}$ = Total volume of coating, i, used during the month, liters.

$D_{c,i}$ = Density of coating, i, kg coating per liter coating.

Wc,i = Mass fraction of organic HAP in coating, i, kg organic HAP per kg coating. For reactive adhesives as defined in § 63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.

m = Number of different coatings used during the month.

(2) Calculate the kg of organic HAP in the thinners and/or other additives used during the month using Equation 1B of this section:

$$B = \sum_{j=1}^{n} (Vol_{t,j})(D_{t,j})(W_{t,j}) \quad \text{(Eq. 1B)}$$

Where:

B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Limitations (continued):

$Vol_{t,j}$ = Total volume of thinner and/or other additive, j, used during the month, liters.
$D_{t,j}$ = Density of thinner and/or other additive, j, kg per liter.
$W_{t,j}$ = Mass fraction of organic HAP in thinner and/or other additive, j, kg organic HAP per kg thinner and/or other additive. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.
n = Number of different thinners and/or other additives used during the month.

(3) Calculate the kg organic HAP in the cleaning materials used during the month using Equation 1C of this section:

$$C = \sum_{k=1}^{p} (Vol_{s,k})(D_{s,k})(W_{s,k}) \quad \text{(Eq. 1C)}$$

Where:
C = Total mass of organic HAP in the cleaning materials used during the month, kg.
$Vol_{s,k}$ = Total volume of cleaning material, k, used during the month, liters.
$D_{s,k}$ = Density of cleaning material, k, kg per liter.
$W_{s,k}$ = Mass fraction of organic HAP in cleaning material, k, kg organic HAP per kg material.
p = Number of different cleaning materials used during the month.

(4) If the permittee chooses to account for the mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste TSDF in Equation 1 of this section, then the permittee must determine the mass according to paragraphs (e) (4) (i) through (iv) of this section.

(i) The permittee may only include waste materials in the determination that are generated by coating operations in the affected source for which Equation 1 of this section is used and that will be treated or disposed of by a TSDF under 40 CFR part 262, 264, 265, or 266. The TSDF may be either off-site or on-site. The permittee may not include organic HAP contained in wastewater.

(ii) The permittee must determine either the amount of the waste materials sent to a TSDF during the month or the amount collected and stored during the month and designated for future transport to a TSDF. The permittee is not to include in the determination any waste materials sent to a TSDF during a month if the materials have already been included in the amount collected and stored during that month or a previous month.

(iii) Determine the total mass of organic HAP contained in the waste materials specified in paragraph (e) (4) (ii) of this section.

(iv) The permittee must document the methodology used to determine the amount of waste materials and the total mass of organic HAP they contain, as required in § 63.3930 (h). If waste manifests include this information, they may be used as part of the documentation of the amount of waste materials and mass of organic HAP contained in them.

(f) *Calculate the total volume of coating solids used.* Determine the total volume of coating solids used, liters, which is the combined volume of coating solids for all the coatings used

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Limitations (continued):

during each month, using Equation 2 of this section:

$$V_{st} = \sum_{i=1}^{m} (Vol_{c,i})(V_{s,i}) \quad \text{(Eq. 2)}$$

Where:

V_{st} = Total volume of coating solids used during the month, liters.

$Vol_{c,i}$ = Total volume of coating, i, used during the month, liters.

$V_{s,i}$ = Volume fraction of coating solids for coating, i, liter solids per liter coating, determined according to § 63.3941(b).

m = Number of coatings used during the month.

(g) *Calculate the organic HAP emission rate*. Calculate the organic HAP emission rate for the compliance period, kg (lb) organic HAP emitted per liter (gal) coating solids used, using Equation 3 of this section:

$$H_{yr} = \frac{\sum_{y=1}^{n} H_e}{\sum_{y=1}^{n} V_{st}} \quad \text{(Eq. 3)}$$

Where:

H_{yr} = Average organic HAP emission rate for the compliance period, kg organic HAP emitted per liter coating solids used.

H_e = Total mass of organic HAP emissions from all materials used during month, y, kg, as calculated by Equation 1 of this section.

V_{st} = Total volume of coating solids used during month, y, liters, as calculated by Equation 2 of this section.

y = Identifier for months.

n = Number of full or partial months in the compliance period (for the initial compliance period, n equals 12 if the compliance date falls on the first day of a month; otherwise equals 13; for all following compliance periods, n equals 12).

(h) *Compliance demonstration*. The organic HAP emission rate for the initial compliance period calculated using Equation 3 of this section must be less than or equal to the applicable emission limit for each subcategory in § 63.3890. The permittee must keep all records as required by §§ 63.3930 and 63.3931. As part of the notification of compliance status required by § 63.3910, the permittee must identify the coating operation(s) that used the emission rate without add-on controls option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because the organic HAP emission rate was less than or equal to the applicable emission limit in § 63.3890, determined according to the procedures in this section.

40 CFR 63.3952: **Demonstrating Continuous Compliance with the Emission Limitations**.

(a) To demonstrate continuous compliance, the organic HAP emission rate for each

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Limitations (continued):

compliance period, determined according to § 63.3951(a) through (g), must be less than or equal to the applicable emission limit in § 63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in § 63.3950 is the end of a compliance period consisting of that month and the preceding 11 months. The permittee must perform the calculations in § 63.3951 (a) through (g) on a monthly basis using data from the previous 12 months of operation.

(b) If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in § 63.3890, this is a deviation from the emission limitation for that compliance period and must be reported as specified in §§ 63.3910 (c) (6) and 63.3920 (a) (6).

(c) As part of each semiannual compliance report required by § 63.3920, the permittee must identify the coating operation(s) that used the emission rate without add-on controls option. If there were no deviations from the emission limitations, the permittee must submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in § 63.3890, determined according to § 63.3951(a) through (g).

(d) The permittee must maintain records as specified in §§ 63.3930 and 63.3931.

3. Testing Requirements:

40 CFR 63.3950 (c) Testing requirements for determining the density of each liquid coating, thinner, and/or other additive, and cleaning material may be applicable depending on the option chosen. Refer to Compliance Demonstration Method for Emission Limitations above.

4. Specific Monitoring Requirements:

See Recordkeeping Requirements.

5. Specific Recordkeeping Requirements:

40 CFR 63.3930: The permittee must collect and keep records of the data and information specified in this section. Failure to collect and keep these records is a deviation from the applicable standard.

(a) A copy of each notification and report that the permittee submitted to comply with this subpart, and the documentation supporting each notification and report.

(b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

the manufacturer or supplier.

(c) For each compliance period, the records specified in paragraphs (c) (1) and (2) of this section.

(1) A record of the coating operations on which the permittee used each compliance option and the time periods (beginning and ending dates and times) for each option the permittee used.

(2) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of § 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to § 63.3951 (e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of § 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of § 63.3951.

(d) A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the permittee is using the compliant material option for all coatings at the source, the permittee may maintain purchase records for each material used rather than a record of the volume used.

(e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

(f) A record of the volume fraction of coating solids for each coating used during each compliance period.

(g) If the permittee uses either the emission rate without add-on controls or the emission rate with add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

(h) If the permittee uses an allowance in Equation 1 of § 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to § 63.3951 (e)(4), the permittee must keep records of the information specified in paragraphs (h)(1) through (3) of this section.

(1) The name and address of each TSDF to which the permittee sent waste material for which an allowance is used in Equation 1 of § 63.3951; a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 that apply to the facility; and the date of each shipment.

(2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which the permittee used the allowance for these materials in Equation 1 of § 63.3951.

(3) The methodology used in accordance with § 63.3951 (e) (4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

(i) [Reserved]

(j) The permittee must keep records of the date, time, and duration of each deviation.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

40 CFR 63.3931:

(a) The permittee's records must be in a form suitable and readily available for expeditious review, according to § 63.10 (b) (1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(b) As specified in § 63.10 (b) (1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to § 63.10 (b) (1). The permittee may keep the records off-site for the remaining 3 years.

6. Specific Reporting Requirements:

40 CFR 63.3920: (a) *Semiannual compliance reports.* The permittee must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a) (1) through (7) of this section. The semiannual compliance reporting requirements may satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph (a) (2) of this section.

(1) *Dates.* The permittee must prepare and submit each semiannual compliance report according to the dates specified in paragraphs (a)(1)(i) through (iv) of this section. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(i) The first semiannual compliance report must cover the first semiannual reporting period which begins on March 1, 2008 and ends on June 30, 2008.

(ii) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(iii) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(iv) The first and subsequent compliance reports may be submitted according to the dates specified in SECTION F (6) of this permit.

(2) *Inclusion with title V report.* The permittee is required by 40 CFR 70 (title V) to report all deviations as they are defined in this subpart in the semiannual monitoring report. If the permittee submits a semiannual compliance report pursuant to this section along with, or as part of, the semiannual monitoring report required by 40 CFR 70, and the semiannual compliance report includes all required information concerning deviations from any emission limitation in this subpart, its submission will be deemed to satisfy any obligations to report the same deviations in the semiannual monitoring report. However, submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(3) *General requirements.* The semiannual compliance reports must contain the information specified in paragraphs (a)(3)(i) through (v) of this section, and the information specified in paragraphs (a)(4) through (7) and (c)(1) of this section that is applicable to the affected source.

(i) Company name and address.

(ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note the information reported for each 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(iv) Identification of the compliance option or options specified in §63.3891 that the permittee used on each coating operation during the reporting period. If the permittee switched between compliance options during the reporting period, the permittee must report the beginning and ending dates for each option the permittee used.

(v) If the permittee used the emission rate without add-on controls or the emission rate with add-on controls compliance option (§ 63.3891 (b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

(4) *No deviations.* If there were no deviations from the emission limitations in §§ 63.3890, 63.3892, and 63.3893 that apply to the permittee, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.

(5) *Deviations: Emission rate without add-on controls option.* If the permittee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in § 63.3890, the semiannual compliance report must contain the information in paragraphs (a)(6)(i) through (iii) of this section.

(i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in § 63.3890.

(ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of § 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to § 63.3951 (e) (4). The permittee does not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).

(iii)A statement of the cause of each deviation.

7. Specific Control Equipment Operating Conditions:

None

8. Alternate Operating Scenarios:

None

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

Description	Generally Applicable Regulation
1. Cooling Towers – 5	401 KAR 59:010
2. 14 direct fired heaters – 1.65 mmBTU/hr	401 KAR 59:010
3. 4 Hand paint touch up stations	401 KAR 59:010
4. Groundwater treatment system	401 KAR 59:010
5. Grinding, lathes, machining	401 KAR 59:010
6. Wastewater treatment – 4	401 KAR 59:010
7. 10 Alkaline Washers	401 KAR 59:010
8. 4 Alkaline Rod Washers	401 KAR 59:010
9. Electrocoat paint lines (alk. Cleaners, Phosphate, rinse conditioner)	401 KAR 59:010
10. 4 Shock oil storage tanks	NA
11. Weld line South STW	401 KAR 59:010
12. Weld line – STW 1-8	401 KAR 59:010
13. 4 Stamping presses	401 KAR 59:010
14. 7 vibratory washers	401 KAR 59:010
15. 14 resistance welders shock assembly	401 KAR 59:010
16. 10 resistance welders sub-shock assembly	401 KAR 59:010
17. 6 arc welders shock sub-assembly	401 KAR 59:010
18. 4 dust/mist collectors	401 KAR 59:010
19: ES-1 pretreatment	401 KAR 59:010

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

20. ES-2 pretreatment	401 KAR 59:010
21. Zinc plating	401 KAR 59:010
22. 4 Blow mold machines	401 KAR 59:010

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. PM, VOC, and Chromic acid emissions, as measured by methods referenced in 401 KAR 50:015, Section 1 (when not otherwise specified in the permit) shall not exceed the respective limitations specified herein.

3. VOC emissions shall not exceed 90 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total VOC emissions shall be reported on a semi-annual basis. VOC emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the VOC emission limitations listed herein so as to preclude applicability of 401 KAR 59:225, new miscellaneous metal parts and products surface coating operations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

Compliance Demonstration Method:

VOC emitted (lb/month) = $\sum$ [Emission of VOC from coatings and cleanup solvents from surface coating operations]

VOC emitted (lb/month)

$E_{VOC} = Q_P * CP_{VOC} + Q_R * CR_{VOC} + Q_S * S_{VOC}$

$Q_C = Q_P + Q_R$

$$Q_P = Q_C * \left(\frac{\text{Gallons of paint "i"}}{\text{Gallons of paint "i"} + \text{Gallons of reducing solvent "i"}} \right)$$

$$Q_R = Q_C * \left(\frac{\text{Gallons of reducing solvent "i"}}{\text{Gallons of paint "i"} + \text{Gallons of reducing solvent "i"}} \right)$$

Where

E_{VOC} = Emission rate of VOC in pounds per month.
Q_P = Gallons of paint “i” used per month.
CP_{VOC} = VOC content in paint “i” (lb/gal).
Q_R = Gallons of reducing solvent “i” used per month.
CR_{VOC} = VOC content in reducing solvent “i” (lb/gal).
Q_C = Gallons of coating (paint and reducer mixed) as applied used per month.
Q_S = Gallons of clean-up solvent used per month.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

S_{VOC} = VOC content in clean-up solvent (lb/gal)

The general equation for multiple-part coatings is:

$$Q = Q_T * \frac{N_i}{\sum_{i=1}^{n} N_i}$$

Where:

Q = Material usage rate (gal/hr) of component (e.g., coating, thinner)
Q_T = Total multiple-part coating material usage rate (gal/hr)
N_i = Number of parts of component "i" in multiple-part coating
n = Total number of components in multiple-part coating

Referenced from U.S. EPA Emission Inventory Improvement Program, Technical Report Series, Volume II, Chapter 7, *Preferred and Alternative Methods for Estimating Air Emissions from Surface Coating Operations* (July, 2001).

12-month rolling total VOC emissions (tons/yr), is calculated by:

$$V = \frac{\sum_{m=1}^{12}\left(\sum_{i=1}^{I}(C \cdot x \cdot f)_i\right)_m}{2000}$$

Where:

V = Rolling 12 month VOC total, tons
m = number of the month
i = Compound containing VOC
C = Monthly usage of a compound I containing VOC in gallons
x = fraction of VOC in compound i
f = appropriate conversion factor for units in pounds/gallon

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V)1 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.

8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.6 [Section 1b (V) 3, 4. of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
   e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Frankfort Regional Office
643 Teton Trail, Suite B
Frankfort, KY 40601-1758

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.

11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020 Section 26].

2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
   a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
   b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
   c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

   Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].

11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.

13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].

14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].

15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
    a. Applicable requirements that are included and specifically identified in the permit and
    b. Non-applicable requirements expressly identified in this permit.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].

2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).

2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

EP02 An addition of a Spray Booth and replacement of an applicator (2007)
EP17 Manual Spray Gun (2007)

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, emission points 2 and 17 in accordance with the terms and conditions of this permit.

SECTION G - GENERAL PROVISIONS (CONTINUED)

1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
   a. The date when construction commenced.
   b. The date of start-up of the affected facilities listed in this permit.
   c. The date when the maximum production rate specified in the permit application was achieved.

3. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.

4. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.

5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance ***test*** on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. These performance tests must also be conducted in accordance with General Provisions G(d)7 of this permit and the permittee must furnish to the Division for Air Quality's Frankfort Central Office a written report of the results of such performance test

6. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

7. Pursuant to 401 KAR 50:045 Section 5 in order to demonstrate that a source is capable of complying with a standard at all times, a performance test shall be conducted under normal conditions that are representative of the source’s operations and create the highest rate of emissions. If [When] the maximum production rate represents a source’s highest emissions rate and a performance test is conducted at less than the maximum production

SECTION G - GENERAL PROVISIONS (CONTINUED)

rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

(e) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
   a. An emergency occurred and the permittee can identify the cause of the emergency;
   b. The permitted facility was at the time being properly operated;
   c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
   d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
   e. This requirement does not relieve the source of other local, state or federal notification requirements.

2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].

3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

SECTION G - GENERAL PROVISIONS (CONTINUED)

RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
   a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
   b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
   c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
   d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
   e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
   f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

3. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None